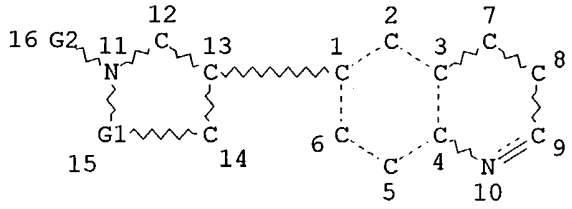
Northington - Davis
10/664706

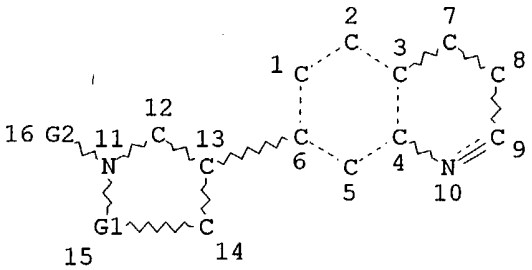
(FILE 'REGISTRY' ENTERED AT 15:01:16 ON 09 JUL 2004)
L2 STR



REP G1=(1-2) CH2
VAR G2=H/AK
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 16

STEREO ATTRIBUTES: NONE
L5 STR



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VAR G2=H/AK
NODE ATTRIBUTES:
CONNECT IS X2 RC AT 10
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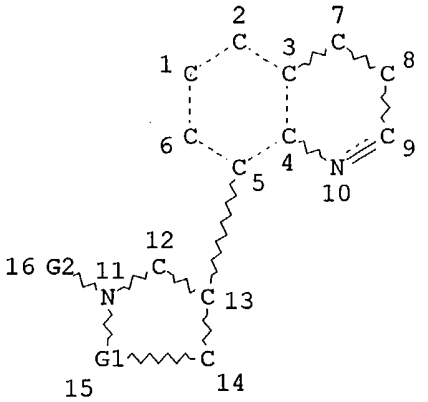
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 16

STEREO ATTRIBUTES: NONE
L8 STR



REP G1=(1-2) CH2
VAR G2=H/AK
NODE ATTRIBUTES:
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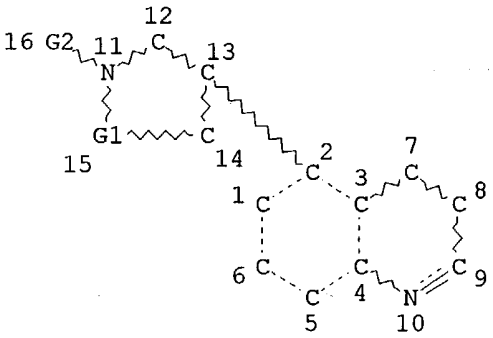
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 16

STEREO ATTRIBUTES: NONE
L11 STR



REP G1=(1-2) CH2
VAR G2=H/AK
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 16

STEREO ATTRIBUTES: NONE
L14 74 SEA FILE=REGISTRY SSS FUL L2 OR L5 OR L8 OR L11

100.0% PROCESSED 117351 ITERATIONS 74 ANSWERS
SEARCH TIME: 00.00.03

FILE 'CAPLUS' ENTERED AT 15:04:12 ON 09 JUL 2004
L15 2 S L14
L16 1 S L15 NOT (PY=>2002 OR PD=>20021112)

L16 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1958:6858 CAPLUS
DOCUMENT NUMBER: 52:6858
ORIGINAL REFERENCE NO.: 52:1279e-g
TITLE: Piperidine derivatives
INVENTOR(S): Tchelitcheff, Serge
PATENT ASSIGNEE(S): Societe des usines chimiques de Rhone-Poulenc
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

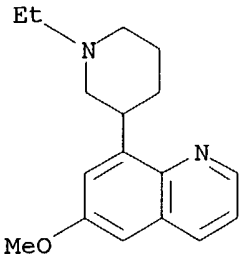
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 812911		19510906	DE	

AB 1-Ethyl-3-chloropiperidine (I) is treated with various amines. Thus, 1-ethyl-3-ethylaminopiperidine (II) is prepared as follows: a mixture of 15 g. I and 12.5 g. EtNH2 is heated in a sealed tube 15 hrs. at 150°, 20 ml. H2O and 25 g. KOH added to the product, the mixture is filtered, the filtrate is extracted with 40 ml. ether, and the ether dried and distilled to give 12 g. II, b12 72-3. Similarly, the following 3-substituted 1-ethylpiperidine derivs. are prepared: Me2N, b10 62-4°; Et2N, b7 102-4°; piperidino, b14 124-6°; PhCH2NH, b11 160-1°; PhCH2NMe, b10 153-4°, N-tetrahydrofurfuryl-N-ethylamino, b8 138-40°; Me2NCH2CH2NH, b9 106-8°; Et2NCH2CH2NH, b11 140°; diethylaminopentylamino, b8 155°; p-diethylaminomethylbenzylamino, b9 211-14°; 1-ethyl-3-piperidyl, b10 148-50°; 6-methoxy-8-quinolyl, b0.9 210-2°. Bis(1-ethyl-3-piperidyl)(diethylaminoethyl)-amine, b9 187-9°, was also prepared With NH3 instead of an amine, 1-ethyl-3-aminopiperidine is prepared, and with aminopyridine or p-methoxybenzylaminopyridine in toluene in the presence of NaNH2 1-ethyl-3-pyridylaminopiperidine and 1-ethyl-3-(N-p-methoxybenzyl-N-pyridyl)aminopiperidine are prepared

IT **101602-57-7**, Quinoline, 8-(1-ethyl-3-piperidyl)-6-methoxy- (preparation of)

RN 101602-57-7 CAPLUS

CN Quinoline, 8-(1-ethyl-3-piperidyl)-6-methoxy- (6CI) (CA INDEX NAME)



E1 THROUGH E1 ASSIGNED

FILE 'REGISTRY' ENTERED AT 15:06:53 ON 09 JUL 2004
L17 1 SEA FILE=REGISTRY ABB=ON PLU=ON 101602-57-7/BI

FILE 'CAOLD' ENTERED AT 15:07:11 ON 09 JUL 2004
L18 1 S L17

L18 ANSWER 1 OF 1 CAOLD COPYRIGHT 2004 ACS on STN
AN CA52:1279e CAOLD
TI piperidine derivs.
AU Tchelitcheff, Serge
PA Societe des usines chimiques Rhone-Poulenc
DT Patent

PATENT NO.	KIND	DATE
DE 812911		

IT 6789-94-2 98952-16-0 98952-17-1 99990-81-5 100536-42-3
100799-46-0 100861-52-7 100962-31-0 101260-48-4 101440-25-9
101589-71-3 **101602-57-7** 102155-43-1 102470-43-9
103756-25-8 105903-65-9 110244-78-5 110375-75-2 111383-90-5

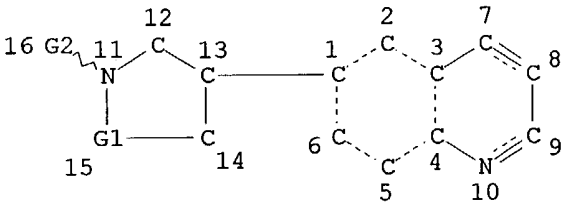
FILE 'USPATFULL' ENTERED AT 15:07:32 ON 09 JUL 2004
L19 0 S L17

FILE 'MEDLINE, BIOSIS, EMBASE' ENTERED AT 15:07:46 ON 09 JUL 2004
L20 0 S L14

FILE 'HOME' ENTERED AT 15:07:58 ON 09 JUL 2004

(FILE 'MARPAT' ENTERED AT 14:17:38 ON 08 JUL 2004)

L18 STR

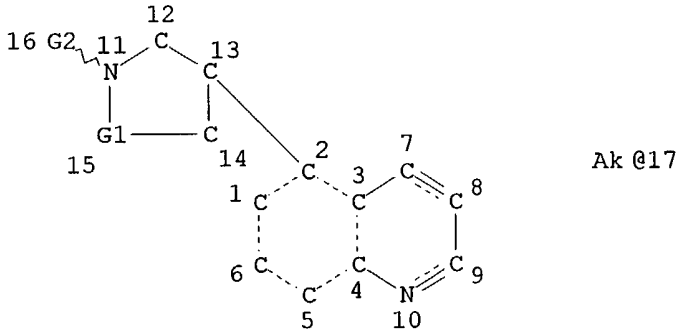


REP G1=(1-2) CH2
VAR G2=H/17
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
MLEVEL IS CLASS AT 17
GGCAT IS LOC AT 17
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 17

STEREO ATTRIBUTES: NONE

L19 STR

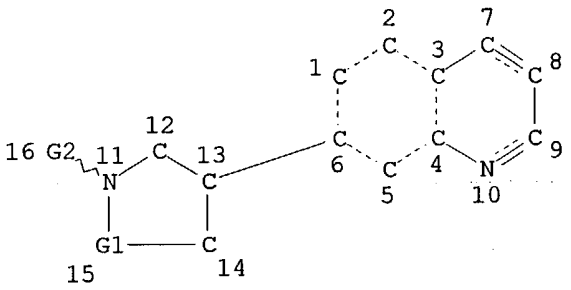


REP G1=(1-2) CH2
VAR G2=H/17
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
MLEVEL IS CLASS AT 17
GGCAT IS LOC AT 17
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 17

STEREO ATTRIBUTES: NONE

L20 STR



REP G1=(1-2) CH2
VAR G2=H/17
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
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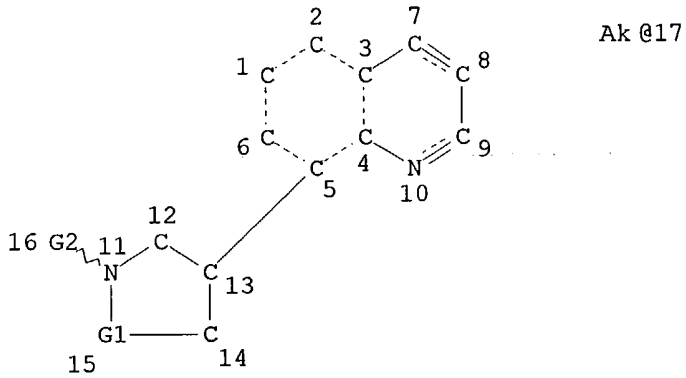
GGCAT IS LOC AT 17
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 17

STEREO ATTRIBUTES: NONE
L21 STR



REP G1=(1-2) CH2
VAR G2=H/17
NODE ATTRIBUTES:
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MLEVEL IS CLASS AT 17
GGCAT IS LOC AT 17
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 17

STEREO ATTRIBUTES: NONE

ATTRIBUTES SPECIFIED AT SEARCH-TIME:
ECLEVEL IS LIM ON ALL NODES
ALL RING(S) ARE ISOLATED

L26 1 SEA FILE=MARPAT SSS FUL L18 (MODIFIED ATTRIBUTES)

ATTRIBUTES SPECIFIED AT SEARCH-TIME:
ECLEVEL IS LIM ON ALL NODES
ALL RING(S) ARE ISOLATED

L27 1 SEA FILE=MARPAT SSS FUL L19 (MODIFIED ATTRIBUTES)

ATTRIBUTES SPECIFIED AT SEARCH-TIME:
ECLEVEL IS LIM ON ALL NODES
ALL RING(S) ARE ISOLATED

L28 1 SEA FILE=MARPAT SSS FUL L20 (MODIFIED ATTRIBUTES)

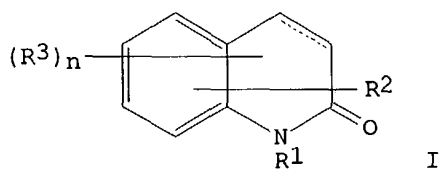
ATTRIBUTES SPECIFIED AT SEARCH-TIME:
ECLEVEL IS LIM ON ALL NODES
ALL RING(S) ARE ISOLATED

L29 1 SEA FILE=MARPAT SSS FUL L21 (MODIFIED ATTRIBUTES)
L30 1 SEA FILE=MARPAT ABB=ON PLU=ON L26 OR L27 OR L28 OR L29

L30 ANSWER 1 OF 1 MARPAT COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 120:298482 MARPAT
TITLE: Carbostyril derivatives and salts thereof, anti-arrhythmic agents containing them, and their preparation
INVENTOR(S): Tabusa, Fujio; Nagami, Kazuyoshi; Tsutsui, Hironori
PATENT ASSIGNEE(S): Yoshinari Higuchi, Japan
SOURCE: Pat. Specif. (Aust.), 148 pp.
CODEN: ALXXAP
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
AU 639529	B2	19930729	AU 1991-70939	19910211
AU 9170939	A1	19910509		
PRIORITY APPLN. INFO.:			AU 1991-70939	19910211

GI



I

Searcher : Shears 571-272-2528

AB Carbostyrils and dihydro derivs. I [R1 = H, alkyl, alkenyl, alkynyl, phenylalkyl, carboxyalkyl, phenylalkoxyalkyl, amidoalkyl, saturated heterocyclylcarbonylalkyl; R2 = N3, azidocarbonyl, phthalimido, pyrrolidinyl, pyridyl, various (un)substituted NH2 groups, piperidinyl, quinuclidinyl; R3 = alkyl, haloalkyl, alkoxy, OH, halo, CO2H, Ph, phenylalkoxy, alkenyloxy, alkanoylalkoxy, alkylaminocarbonylalkoxy; n = 0, 1, 2; optional 3,4-double bond], some of which are novel and/or prepared, are useful as antiarrhythmics. For example, cyclization of 2-[2-(4-benzyl-1-piperidinyl)acetyl]amino-3-methylbenzaldehyde by NaOEt in refluxing EtOH gave I [R1 = H, R2 = 8-Me, R3 = 3-(4-benzyl-1-piperidinyl); Δ3 present], isolated as the HCl salt. Various I were active at 3-300 μmol doses when tested against elec.-stimulated contractions of isolated feline cardiac muscle samples. Approx. 170 I (free bases and/or salts) are listed with phys. data, and antiarrhythmic test data are given for 27 compds.

IC ICM C07D405-12
ICS A61K031-535; C07D215-38; C07D215-40; C07D215-42; C07D215-48; C07D215-54; C07D401-04; C07D401-12; C07D409-12; C07D413-04; C07D413-14; C07D453-02; C07D487-04; A61K031-47; A61K031-495

CC 27-17 (Heterocyclic Compounds (One Hetero Atom))
Section cross-reference(s): 1

ST carbostyril prepn antiarrhythmic

IT Antiarrhythmics
(carbostyril and dihydrocarbostyril derivs.)

IT 113284-14-3 152892-07-4, 3-Dimethylamino-8-methylcarbostyril
RL: RCT (Reactant); RACT (Reactant or reagent)
(antiarrhythmic)

IT 61548-57-0, 3-Amino-6,8-dichloro-3,4-dihydrocarbostyril 61548-63-8 113225-43-7, 3-Ethylamino-8-methyl-3,4-dihydrocarbostyril hydrochloride 113225-80-2 113225-86-8 113226-78-1 152892-21-2 152892-22-3 152892-24-5 152892-25-6, 3-Ethylamino-8-methyl-3,4-dihydrocarbostyril 152892-26-7 152892-27-8
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(antiarrhythmic activity of)

IT 113225-34-6P 152892-29-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(cyclization in preparation of carbostyril derivs. as antiarrhythmics)

IT 110-52-1P, 1,4-Dibromobutane
RL: SPN (Synthetic preparation); PREP (Preparation)
(cyclization with amine in preparation of carbostyril derivs. as antiarrhythmics)

IT 113226-31-6P, 1-Methyl-8-amino-3,4-dihydrocarbostyril
RL: SPN (Synthetic preparation); PREP (Preparation)
(cyclization with dibromobutane in preparation of carbostyril derivs. as antiarrhythmics)

IT 6760-36-7 113225-31-3 113225-32-4 113225-39-1 113225-42-6 113225-47-1 113225-51-7 113225-61-9 113225-63-1 113225-64-2 113225-65-3 113225-68-6 113225-71-1 113225-73-3 113225-82-4 113225-83-5 113225-90-4 113225-91-5 113225-92-6 113225-94-8 113225-95-9 113225-98-2 113225-99-3 113226-01-0 113226-02-1 113226-03-2 113226-15-6 113226-16-7 113226-17-8 113226-18-9

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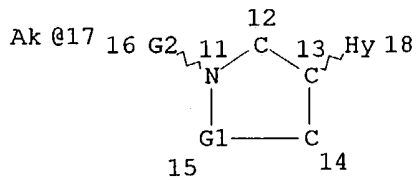
3-Pyrrolidino-8-methoxycarbostyril 152892-10-9 152892-11-0
152892-12-1 152892-13-2 152892-14-3 152892-15-4 152892-16-5
152892-17-6 152892-18-7 152892-19-8 152892-20-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation as antiarrhythmic)

IT 152892-28-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, in preparation of carbostyril derivs. as antiarrhythmics)

FILE 'MARPATPREV' ENTERED AT 14:29:26 ON 08 JUL 2004

L31 STR



REP G1=(1-2) CH2
VAR G2=H/17
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
MLEVEL IS CLASS AT 17 18
GGCAT IS LOC AT 17
GGCAT IS UNS AT 18

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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS   8

STEREO ATTRIBUTES: NONE

ATTRIBUTES SPECIFIED AT SEARCH-TIME:
ECLEVEL IS LIM ON ALL NODES
ALL RING(S) ARE ISOLATED

L32            0 SEA FILE=MARPATPREV SSS FUL L31 (MODIFIED ATTRIBUTES)

100.0% PROCESSED     54 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

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FILE 'HOME' ENTERED AT 14:31:09 ON 08 JUL 2004
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